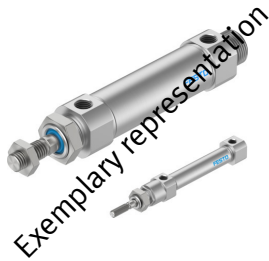


# Round cylinder DSNU-S-25- -

Part number: 8112006

FESTO



General operating condition

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature  | Value   |
|--|---|
| Stroke   | 1 mm ... 200 mm   |
| Piston diameter  | 25 mm   |
| Cushioning   | Elastic cushioning rings/plates at both ends<br>Self-adjusting pneumatic end-position cushioning  |
| Mounting position  | optional  |
| Design   | Piston<br>Piston rod<br>Cylinder barrel   |
| Position detection   | Via proximity switch  |
| Symbol   | 00991217  |
| Variants   | Extended male piston rod thread<br>Piston rod with female thread<br>Extended piston rod<br>Axial supply port<br>Swivel mounting, end cap<br>Lateral supply port<br>Mounting thread, end cap<br>Shortened male piston rod thread |
| Operating pressure   | 0.06 MPa ... 1 MPa  |
| Operating pressure   | 0.6 bar ... 10 bar  |
| Mode of operation  | Double-acting   |
| Operating medium   | Compressed air to ISO 8573-1:2010 [7:4:4]   |
| Note on operating and pilot medium                           | Lubricated operation possible (in which case lubricated operation will always be required)  |
| Corrosion resistance class CRC                               | 2 - Moderate corrosion stress   |
| LABS (PWIS) conformity                                       | VDMA24364-B2-L  |
| Ambient temperature  | -20 °C ... 80 °C  |
| Impact energy in end positions                               | 0.3 J   |
| Cushioning length  | 17 mm   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 247.4 N   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 294.5 N   |
| Moving mass for 0 mm stroke                                  | 63.6 g  |
| Additional moving mass per 10 mm stroke                      | 6 g   |
| Basic weight for 0 mm stroke                                 | 180.2 g   |
| Additional weight per 10 mm stroke                           | 11 g  |
| Type of mounting   | With accessories  |
| Pneumatic connection   | G1/8  |
| Note on materials  | RoHS-compliant  |

| Feature                  | Value                            |
|--------------------------|----------------------------------|
| Material cover           | Anodised wrought aluminium alloy |
| Material seals           | TPE-U(PU)                        |
| Material piston rod      | High-alloy stainless steel       |
| Material cylinder barrel | High-alloy stainless steel       |